

AMENDMENTS TO THE SPECIFICATION

The paragraph starting on page 15, line 12, has been amended in the following manner:

The disk drive 100 again includes the multi-axes shock actuator arm latch assembly 101 that is mounted to the base plate 102 at least generally adjacent to the voice coil motor 107. When the actuator arm assembly 111 is rotated to its “parked position,” the actuator arm latch assembly 101 is available to at least attempt to prevent non-operational shock forces that are exerted on the disk drive 100 from moving the actuator arm assembly 111 away from the ramp assembly 106 and across the data storage disk(s) 103. As will become apparent from the following description, the actuator arm latch assembly ~~111~~101 pivots between non-latched and latched positions about an axis that is perpendicular to the axis about which the actuator arm assembly 111 pivots. Advantageously, this permits the actuator arm latch assembly 101 to protect the disk drive 100 from linear, rotational and combinations of linear and rotational forces that may be exerted on the disk drive 100, at least generally regardless of the direction or axes of the shock event. When the actuator arm latch assembly 101 pivots to the latched position responsive to a non-operational force, engagement of the actuator arm latch assembly 101 with a distal end 114 of the actuator arm assembly 111 will prevent further movement of the actuator arm assembly 111 away from the “parked position” on the ramp assembly 106. During the absence of a non-operational force on the disk drive 100, the actuator arm latch assembly 101 remains in the non-latched position where the actuator arm assembly 111 is thereby free to pivot under the control of the voice coil motor 107.

The paragraph starting on page 22, line 7, has been amended in the following manner:

Figure 3 illustrates an assembled view of the actuator arm latch assembly 101 and in the non-latched position. Operationally, the pivotal latch member 200 is designed to pivot about the latch

pivot 202 in response to non-operational forces being exerted on the disk drive 100 from at least most angles, direction, or axes of rotation. Forces that will tend to open or activate the actuator arm latch assembly 101 may be exerted on the base 300, the sidewall 305 (Figures 8-9), or both of one or more of the cups 208, 209 that are associated with the pivotal latch member 200, including without
5 limitation forces that are due to a tangential acceleration, a radial acceleration, or both of one or more of the inertial masses 206, 207. For example, the pivotal latch member 200 will pivot about the latch pivot 202 responsive to linear forces that are within or at least have a primary component in the noted "X-Y" dimension or plane (i.e., that which contains the X axis and Y axis that are depicted in Figure 5), or that are within or at least have a primary component in the noted "Z" dimension (i.e.,
10 any reference plane that contain the Z axis illustrated in Figure 5). The pivotal latch member 200 will also operate to pivot about the latch pivot 202 responsive to rotational forces received about most vertical axes of rotation, a horizontal axis of rotation or combination of vertical and horizontal axis of rotation. About the only shock axis where the operation of the latch assembly 101 may be adversely impacted to an undesired degree is a rotational force that is about the latch pivot 202. In
15 any case, when the latch member 200 pivots about the latch pivot 202, the latch 212 is moved vertically upward relative to the base plate 102 of the disk drive 100 to engage the distal end 114 of the actuator arm assembly 111, and thereby prevent further pivoting of the actuator arm assembly 111 in a direction tending to advance the head 110 across its corresponding data storage disk 103. During this pivotal movement, the guide post ~~114~~214 on the fixed latch member 201 again remains
20 in the aperture 216 on the pivotal latch member 200 to help maintain vertical alignment of the pivotal latch member 200 relative to the fixed latch member 201 so that direct contact is made between the latch 212 and the distal end 114 of the actuator arm assembly 111.